

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-051167

(43)Date of publication of application : 23.02.1999

(51)Int.Cl.

F16H 61/04  
F16H 61/18  
// F16H 59:72  
F16H 63:12

(21)Application number : 09-220204

(71)Applicant : SUZUKI MOTOR CORP

(22)Date of filing : 31.07.1997

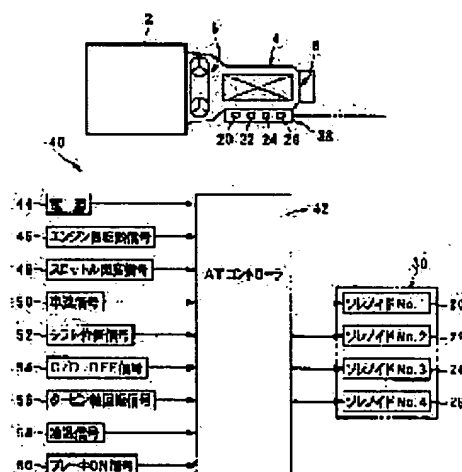
(72)Inventor : KANESHIRO KANAME

## (54) GEAR CHANGE CONTROLLER OF AUTOMATIC TRANSMISSION

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To solve a problem of delay in the rise of hydraulic pressure by controlling an automatic transmission in such a manner that a gear is changed to the second speed only for a set time when oil pressure ensuring control execution conditions are satisfied when an engine is started.

**SOLUTION:** A gear change controller 40 of an automatic transmission 4 controls the automatic transmission 4 by a control means 42 in such a manner that a gear is changed to the second speed only for a set time t when hydraulic pressure ensuring control execution conditions are satisfied when an engine 2 is started. Whether the hydraulic pressure ensuring control execution conditions are satisfied or not is judged based on a shift position signal input from a shift position switch 52, an engine rotation signal input from an engine rotation sensor 46, a turbine rotation number signal of a torque converter 6 which is input from a turbine shaft rotation number sensor 56, a throttle opening degree signal input from a throttle opening degree sensor 48, and a brake ON signal input from a brake switch 60. Consequently delay in the rise of hydraulic pressure in a hydraulic circuit which supplies hydraulic pressure does not occur.



## LEGAL STATUS

[Date of request for examination] 24.01.2002

[Date of sending the examiner's decision of rejection] 03.12.2002

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

Best Available Copy